

CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT
FOR FLOOD CONTROL PROJECTS

1. **Project Name:** Wailoa Flood Control Project

2. **Date of Inspection:** November 12, 2002

3. **Inspection Personnel:**

	<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a.	Jim Pennaz	COE	438-8599
b.	Eric Li	COE	438-8862
c.	Paula Shimata	COE	438-7030
d.	Ned Hogan	DPW Highway Maintenance	961-8637

4. **Discussion:**

This annual inspection was held approximately 2 years after a major storm event. Construction repairs under PL 84-99 are scheduled to begin this month with completion date in April 2003. For this reason the O&M report will address maintenance issues. All the deficiencies were brought to the DPW's attention during the inspection. (®) denotes a repeat item from last year's inspection. (CORPS) denotes reference to PL84-99 construction drawings titled "Repair of Four Flood Control Projects (Alenaio, Pa'auau, Wailoa, and Waiakea Uka), Island of Hawaii, State of Hawaii", dated 2001 and 2002. Refer to photo map at end of report for general picture orientation.

Table. Summary of Maintenance Issues

Station	Location	Maintenance Issues
82+50	Levee #1, RB	Remove vegetation from CRM sideslope area and within channel. (®)
75+00	Levee #2, RB behind UH ballfield	Remove vegetation from sideslope to toe of structure. Continue to monitor cracks on top of channel. (®)
65+00	Levee #3, RB	Tell UH to remove vegetation and tree encroachments from levee.
60+00	Levee #3, RB towards Lanikaula Bridge	Remove vegetation from sideslope and channel.
58+00	Levee #3, RB upstream Lanikaula Bridge	Erosion at toe should be repaired under (CORPS) ring number 30. Monitor construction.
57+50	Townside of levee under Lanikaula Bridge	Monitor erosion behind levee underneath Lanikaula Bridge.
50+00	Levee #4, LB	Continue to control vegetation on levee.
45+00	Levee #5, RB	Remove vegetation from sideslope and channel.
36+00	Levee #6, RB	Cut grassy vegetation along levee. Trim tree branches encroaching into channel.
30+00	Levee #6, RB	Trim tree branches that are encroaching into channel.
26+00	Levee #6A, LB	Remove vegetation and tree branches from levee.
23+50	Channel Invert Upstream Kinoole Street Bridge	Monitor damaged nose of splitter and channel invert longitudinal cracks.
14+75 to 3+40	Channel Invert	Monitor heavy vegetation debris removal within channel. Debris removal to be don by (CORPS) ring number 26; construction is under way.
5+00 to 0+00	RB and LB	Remove vegetation from both sides of levee, RB and LB.

The deficiencies were as follows:



a. Sta. 82+50, Levee # 1, right bank (RB), remove vegetation from CRM sideslope area and channel. (®)



b. Sta. 75+00, Levee #2 (behind UH ballfield), right bank (RB), remove vegetation from sideslope to toe of structure. Continue to monitor cracks on top of channel. (®)



c. Sta. 65+00, RB Levee #3, UH campus must remove vegetation and tree encroachments from levee.



d. Sta. 60+00, RB Levee #3 looking at Lanikaula Bridge, remove vegetation from sideslope and channel.



e. Sta. 58+00, RB Levee #3 upstream of Lanikaula Bridge, erosion at toe should be repaired under PL 84-99 construction contract. Refer to (CORPS) plans ring number 30. Monitor the construction of this area.



f. Sta. 57+50, RB Levee #3, monitor erosion behind levee underneath Lanikaula Bridge. Should be repaired under (CORPS) plans.



g. Sta. 50+00, LB Levee #4 looking, overview. Continue to control vegetation on levee.



h. Sta. 45+00, RB Levee #5, remove vegetation from sideslope and channel.



i. Sta. 36+00, RB Levee #6, 2 trees to remain in order to stabilize bank. Cut other grassy vegetation along levee. Trim tree branches and leaves encroaching into channel.



j. Sta. 30+00, RB Levee #6, cut tree branches encroaching into channel.



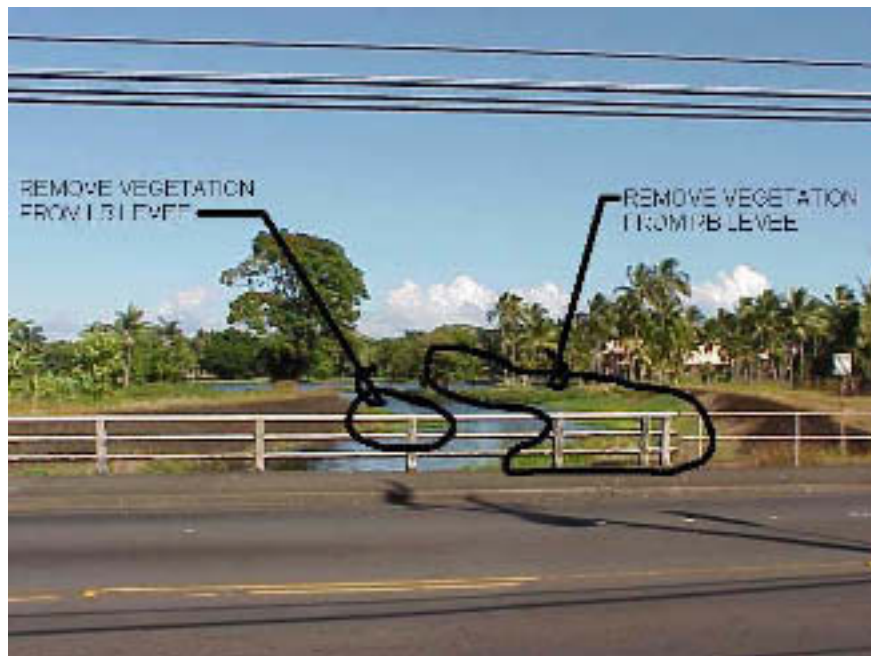
k. Sta. 26+00, left bank (LB) Levee #6A, remove vegetation and tree branches from levee.



l. Sta. 23+50, channel at Kinoole Bridge, patch several longitudinal cracks at channel invert and monitor damaged splitter nose at bridge.



m. Sta. 14+75 to 3+40, channel invert, vegetation debris to be removed under (CORPS) plans ring number 26. Monitor vegetation debris removal.



n. Sta. 5+00 to 0+00, RB and LB, remove vegetation from both banks of levee.

5. Findings:

Vegetation control was minimal during this rating period as DPW expected PL84-99 repairs (including fill) to begin in some of their areas.

6. Conclusions:

IAW ER 500-1-1, (dated 30 September 2001), and based on this CEI, the Project Condition Code is ACCEPTABLE and the Project Status is ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Eric Li, E.I.T., CEPOH-EC-T

Signed: _____
James Pennaz, P.E., Ch, CEPOH-EC-T

Enclosure

1. Site Plans
2. Photo Map